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Attorney Docket 920476-904953

JUN 1 6 2005

## **BARNES & THORNBURG LLP**

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DATE: June 16, 2005

TOTAL NUMBER OF PAGES INCLUDING COVER PAGE: 12

TO: Commissioner for Patents

**EXAMINER:** Harry Vartanian

GROUP ART UNIT: 2634

ATTN

MAIL STOP

Attached: Response to Office Action Mailed March 30, 2005

If you do not receive all pages, please contact William M. Lee, Jr. at (312) 214-4800 or his assistant, Minnie Wilson at (312) 214-4829.

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I hereby certify that this paper for Application Number 09/945,171 is being facsimile transmitted to the Patent and Trademark Office, Mail Stop - (703) 872-9315 on the date shown below.

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June 16, 2005

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920476-904953

JUN 1 6 2005

# IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In the application of

Howard J. Smith

Serial No.

09/945,171

Filed

August 30, 2001

For

Improved Amplitude and Phase Comparator

for Microwave Power Amplifier

Examiner

Vartanian, Harry

Art Unit

2634

Customer number

23644

I hereby certify that this correspondence is being transmitted to the above - identified examiner at the United States Patent and

Trademark Office (703) 872-9315 on June 16, 2005.

### RESPONSE TO OFFICE ACTION MAILED MARCH 30, 2005

Honorable Director of Patents and Trademarks

P.O. Box 1450

Alexandria, VA 22313-1450

Dear Sir:

In response to the Office Action mailed March 30, 2005, it is requested that the application be amended as follows: